

WATERFALL FOR OPC ALARMS & EVENTS

STRONG SECURITY FOR OPC A&E

Industrial enterprises frequently need enterprise-wide access to control system OPC Alarms and Events for trending, analysis, optimization and reporting tools. Connecting enterprise networks to industrial OPC A&E sources through a firewall, however, is high risk. All connections through firewalls that permit data to leave an industrial system also permit attacks to enter that system.

The Waterfall for OPC Alarms and Events connector is part of the Waterfall Unidirectional Security Gateway family of products. The connector replicates OPC A&E servers in real-time, from industrial networks to IT networks, without the risks that always accompany firewalls. By deploying the Waterfall for OPC Alarms and Events connector, businesses eliminate the risk of remote cyber attacks entering their industrial control systems, while enabling seamless, enterprise-wide access to critical operational data. The Waterfall connector enables safe IT/OT integration, integrating seamlessly with OPC-AE clients and servers.

BENEFITS OF USING WATERFALL FOR OPC A&E



Securely emulates Alarms and Events from ICS OPC-AE servers to IT networks



Fully transparent to OPC-AE system users



Eliminates all remote attacks and malware propagation from external networks



Facilitates and simplifies compliance with NERC CIP, NIST, CFATS, ANSSI, UK DfT and more



Simple deployment, off-the-shelf solution



Rails



Oil & Gas



Manufacturing



Water

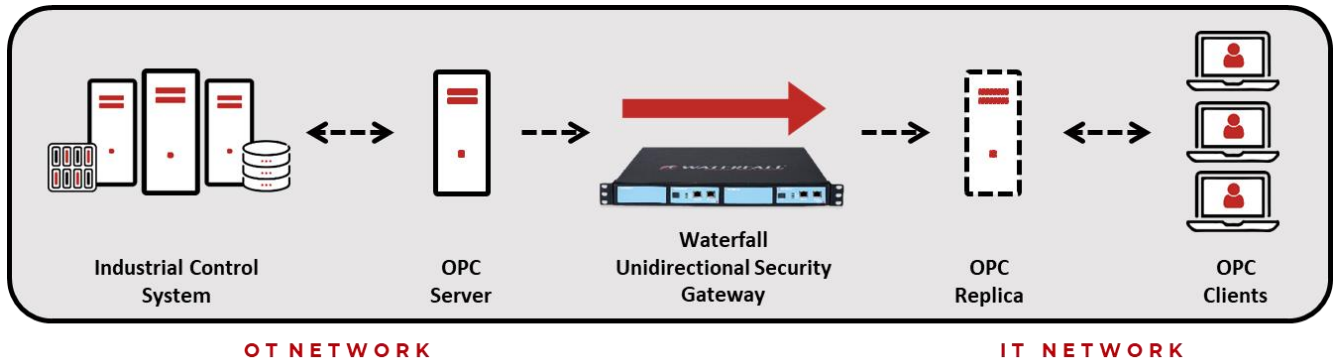


Power



Pharma

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The Waterfall for OPC-AE connector has two software components: one runs on the OT network and the second on the enterprise/IT network. On the OT side, the connector is a true OPC client that queries the source OPC-AE server for industrial data. On the enterprise network, the connector is a true OPC server that is a replica of the industrial OPC server. OPC clients on the enterprise network can query the replica server and be confident of receiving the same answers from the replica as would have been received from the original server.

The Waterfall Unidirectional Gateway hardware deployed between the two networks makes it physically impossible for any attacks to flow from the IT network into the OT network, eliminating any threats of online remote attacks, malware or human errors.

FULLY- FEATURED & ROBUST SUPPORT:

- » Real-time replication of OPC A&E servers
- » All OPC Alarm and Event types
- » Complete server replication or replication of only select, filtered alarms and events
- » Optional High Availability functionality with no single point of hardware failure
- » Auto-discovery of available alarm and event types and subscriptions
- » 1 Gbps throughput standard

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ABOUT WATERFALL SECURITY SOLUTIONS

Waterfall Security Solutions is the global leader in industrial cybersecurity technology. The company's expanding portfolio of customers includes national infrastructures, power plants, nuclear plants, offshore oil and gas facilities, rail transport, refineries, manufacturing plants, utility companies, and many more. Deployed throughout North America, Europe, the Middle East and Asia, Waterfall products support the widest range of leading industrial remote monitoring platforms, applications, databases and protocols in the market. Please contact: info@waterfall-security.com

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